I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on the date shown below.

Signature:

Docket No.: SLII-P01-001 (PATENT)

3

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

(Valerie J. Sarosky)

In re Patent Application of:

Power et al.

6

Application No.: 10/510876

Filed: October 8, 2004

For:

USE OF OSTEOPROTEGERIN FOR THE TREATMENT AND/OR PREVENTION OF

FIBROTIC DISEASE

Confirmation No.: 6247

Art Unit: 1614

Examiner: Not Yet Assigned

## **INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Copies of the U.S. Patent Document references on the PTO/SB/08 are not provided since the USPTO has waived the requirement for supplying copies of U.S. patents for applications filed after June 2003. A copy of each Foreign Patent Document and each Non-Patent Literature Document referenced on the PTO/SB/08 is attached.

Some of the attached references have been cited an International Search Report issued October 17, 2003, during the prosecution of international application no. PCT/EP 03/50080, and a Partial European Search Report issued August 27, 2002 during the prosecution of European Application No. EP 02 10 0364. A copy of the International Search Report and Partial European Search Report are enclosed.

Application No.: 10/5r0876

Docket No.: SLII-P01-001

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. SLII-P01-001.

Dated: June 15, 2005

Respectfully submitted,

Jesse A. Fecker, Ph.D.

Registration No.: 52,883

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PTO/SB/08a/b (08-03)
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Substitute for form 1449A/B/PTO				Complete if Known	
"		_		Application Number	10/510876
	NFORMATION	N DI	SCLOSURE	Filing Date	October 8, 2004
5	STATEMENT BY APPLICANT			First Named Inventor	Christine Power
				Art Unit	1614
1	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	SLII-P01-001

			U.S. PA	TENT DOCUMENTS	_
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,588,585	5/13/86	Mark et al.	
	A2	4,737,462	4/12/88	Mark et al.	
	A3	4,879,111	11/7/89	Chong	
	A4	4,904,584	2/27/90	Shaw	
	A5	4,959,314	9/25/90	Mark et al.	
	A6	4,965,195	10/23/90	Namen et al.	
	A7	5,017,691	5/21/91	Lee et al.	
	A8 -	5,116,943	5/26/92	Koths et al.	

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)		Applicant of Cited Document		T⁵		
	B1	WO 92/13095	8/6/92	Synergen, Inc.				
	B2	WO 98/35043	8/13/98	Genetics Institute, Inc.				
	B3	WO 99/53942	10/28/99	Amgen, Inc.				
	В4	WO 02/46225	6/13/02	Applied Research Systems ARS Holding				
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Abraham et al., "Expression and function of surface antigens on scleroderma fibroblasts," Arthritis Rheum, 34:1164-1172 (1991).	
	C2	Bucay et al., "Osteoprotegerin-deficient mice develop early onset osteorporosis and arterial calcification," Genes & Development, 12:1260-1268 (1998).	
	C3	Granot et al., "Halofuginone: an inhibitor of collagen type I synthesis," Biochimica Biophys. Acta 1156:107-112 (1993).	
	C4	Hattori et al., "Bleomycin induced pulmonary fibrosis in fibrinogen null mice," J. Clin. Invest. 106:1341-1350 (2000).	
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	C6	Kostenuik et al., "Osteoprotegerin: A Physiological and Pharmacological Inhibitor of Bone Resorption," Curr. Pharm Des, 7(8):613-635 (2001).	
	<b>C</b> 7	Leighton, "Drug Treatment of Scleroderma," Drugs 61(3):419-427 (2001).	
	C8	Malyankar et al., "Osteoprotegerin is an $\alpha_{\nu}\beta_3$ -induced, NF- $_{\kappa}$ B-dependent Survival Factor for Endothelial Cells," Journal of Biological Chem., 275(28):20959-20962 (2000)	

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l s	STATEMENT BY APPLICANT			First Named Inventor	Christine Power
				Art Unit	1614
	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	SLII-P01-001

C9	Martini et al., "Marked and Sustained Improvement Two Years After Autologous Stem Cell Transplantation in a Girl With Systemic Sclerosis," Arthritis Rheum. 42:807-811 (1999).	
C10	Mathiesen et al., "The Clinical Significance of Slightly to Moderately Increased Liver Transaminase Values in Asymptomatic Patients," Scand J Gastroenterol., 34(1):85-91 (1999).	
C11	McGaha et al., "Halofuginone, an Inhibitor of Type-1 Collagen Synthesis and Skin Sclerosis, Blocks Transforming Growth-Factor-β-Mediated Smad3 Activation in Fibroblasts," J. Invest Derm., 118:461-470 (2002).	
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C18	Wigley et al., "Novel therapy in the treatment of scleroderma," Exp. Opin. Invest. Drugs, 10(1):31-48 (2001).	
C19	Wigley et al., "The treatment of scleroderma," Curr. Opin. In Anti-inflam. & Immun. Invest. Drugs, 2:276-292 (2000).	
C20	Yano et al., "Synovial cells from a patient with rheumatoid arthritis produce osteoclastogenesis inhibitory factor/osteoprotegerin: reciprocal regulation of the production by inflammatory cytokines and basic fibroblast growth factor," J. Bone Miner Metab., 19:365-372 (2001).	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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